Number of chemicals
0
1 - 3
4 - 5
6 - 10
>10
Area of concern
Proposed northern boundary
Stormdrains
King County CSOs

Connecticut St.
Area 1
Pier 36
Area 4
Rabanco Loading Facility
Area 3
Area 2
GATX Terminals
Terminal 18
Area 5
Area 6
Terminal 30
Area 7
Lander
Pier 27
Area 8
Area 9
Area 10
Hanford
Area 11
Terminal 25
Area 12
Chelan
rbor RS

0+00 2+00 4+00 6+00 8+00 10+00 12+00 14+00 16+00 18+00 20+00 22+00 24+00 26+00 28+00 30+00 32+00 34+00 36+00 38+00 40+00 42+00 44+00 46+00 48+00 50+00 52+00 54+00 56+00 58+00 60+00

Map A-1. Number of chemicals exceeding CSL/ML by point location in surface (0-15 cm) sediment (detected concentrations)

TOC normalization conducted for all samples with TOC concentrations greater than 0.2% and less than 8.0%. For samples with 0.2% TOC or lower, 8.0% or greater, or missing TOC concentrations, chemical concentrations were compared to lowest AET (equivalent to SQS) and second lowest AET (equivalent to CSL) in dry weight units.

0 375 750 1,500 Feet

0 125 250 500 Meters

N

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W:\Projects\00-08-08 East Waterway\Data\GIS\SQS Exceedance Maps

Number of chemicals
- 0
- 1 - 2
- 3 - 5
- 6 - 7
- 8 - 10

Area of concern

Proposed northern boundary

Stormdrains

King County CSOs

Connecticut St.

Area 1

Pier 36

Rabanco Loading Facility

Area 4

Area 3

Area 2

GATX Terminals

Terminal 18

0+00
2+00
4+00
6+00
8+00
10+00
12+00
14+00
16+00
18+00
20+00
22+00
24+00
26+00
28+00
30+00
32+00
34+00
36+00
38+00
40+00
42+00
44+00
46+00
48+00
50+00
52+00
54+00
56+00
58+00
60+00

Area 5

Area 6

Terminal 30

Area 7

Lander

Pier 27

Area 8

Area 9

Area 10

Hanford

Area 11

Terminal 25

rbor RS

Chelan

Area 12

Map A-2. Number of chemicals exceeding CSL/ML by point location in surface (0-4 ft) sediment (detected concentrations)

TOC normalization conducted for all samples with TOC concentrations greater than 0.2% and less than 8.0%. For samples with 0.2% TOC or lower, 8.0% or greater, or missing TOC concentrations, chemical concentrations were compared to lowest AET (equivalent to SQS) and second lowest AET (equivalent to CSL) in dry weight units.

0 375 750 1,500 Feet

0 125 250 500 Meters

N

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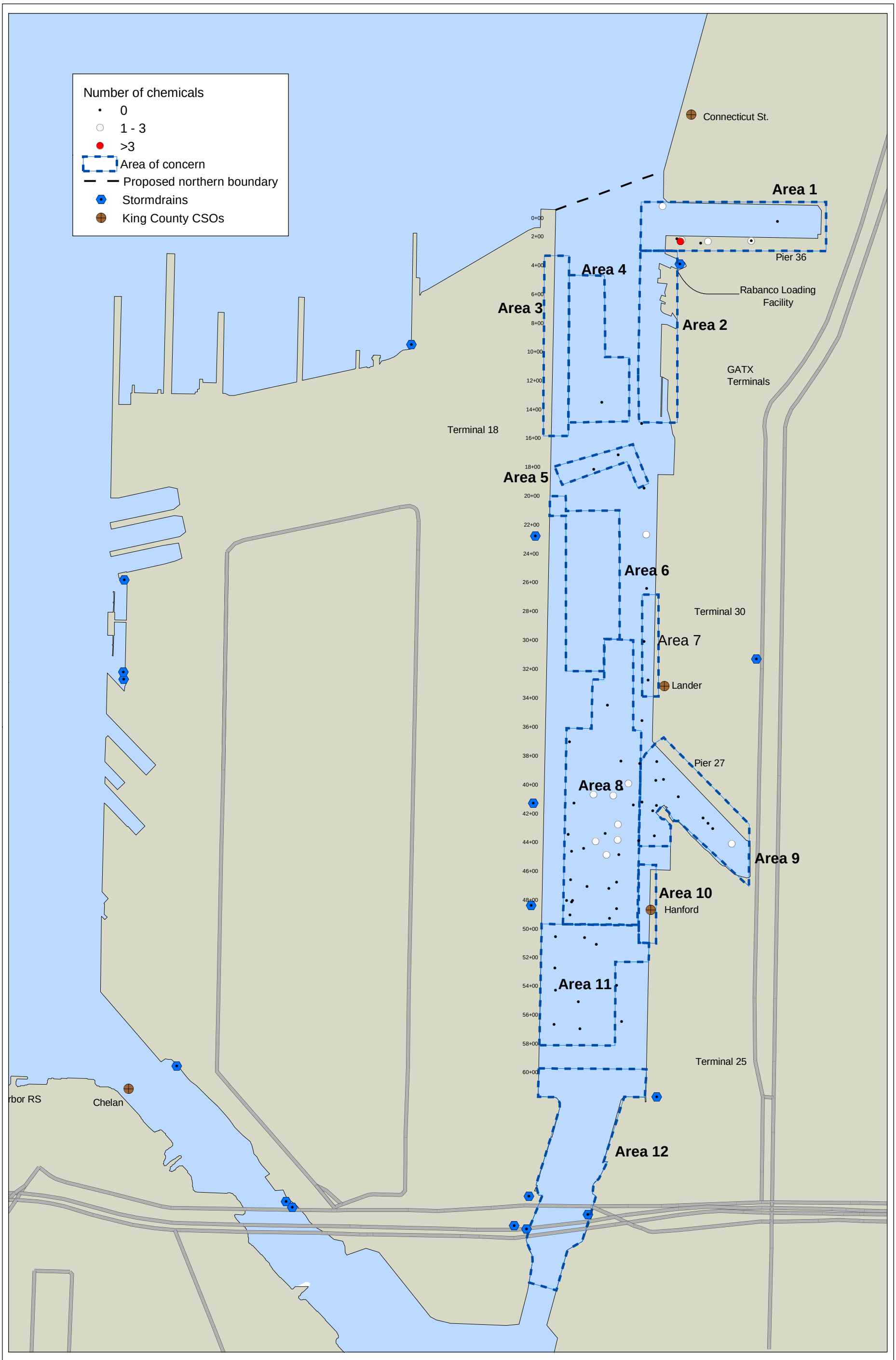
W:\Projects\00-08-08 East Waterway\Data\GIS\SQS Exceedance Maps



Map A-3. number of chemicals exceeding CSL/ML by point location in subsurface (>4 ft) sediment (detected concentrations)

TOC normalization conducted for all samples with TOC concentrations greater than 0.2% and less than 8.0%. For samples with 0.2% TOC or lower, 8.0% or greater, or missing TOC concentrations, chemical concentrations were compared to lowest AET (equivalent to SQS) and second lowest AET (equivalent to CSL) in dry weight units.

0 375 750 1,500 Feet

0 125 250 500 Meters

N

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Maximum CSL/ML exeedance factor
- 0.0 - 1.0
- 1.1 - 5.0
- 5.1 - 10.0
- 10.1 - 13.0
- Area of concern
- Proposed northern boundary
- Stormdrains
- King County CSOs

Connecticut St.

Area 1

Pier 36

Area 4

Rabanco Loading Facility

Area 3

Area 2

GATX Terminals

Terminal 18

0+00
2+00
4+00
6+00
8+00
10+00
12+00
14+00
16+00
18+00
20+00
22+00
24+00
26+00
28+00
30+00
32+00
34+00
36+00
38+00
40+00
42+00
44+00
46+00
48+00
50+00
52+00
54+00
56+00
58+00
60+00

Area 5

Area 6

Terminal 30

Area 7

Lander

Pier 27

Area 8

Area 9

Area 10

Hanford

Area 11

Terminal 25

rbor RS

Chelan

Area 12

Map A-4. Maximum CSL/ML exceedance factor by point location in surface (0-15 cm) sediment (detected concentrations)

TOC normalization conducted for all samples with TOC concentrations greater than 0.2% and less than 8.0%. For samples with 0.2% TOC or lower, 8.0% or greater, or missing TOC concentrations, chemical concentrations were compared to lowest AET (equivalent to SQS) and second lowest AET (equivalent to CSL) in dry weight units.

0 375 750 1,500 Feet

0 140 280 560 Meters

N

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Maximum CSL/ML exceedance factor
- 0 - 1.0
- 1.1 - 3.0
- 3.1 - 5.0
- 5.1 - 10.0
- >10.0
- Area of concern
- Proposed northern boundary
- Stormdrains
- King County CSOs

Connecticut St.
Area 1
Pier 36
Area 4
Rabanco Loading Facility
Area 3
Area 2
GATX Terminals
Terminal 18
Area 5
Area 6
Terminal 30
Area 7
Lander
Pier 27
Area 8
Area 9
Area 10
Hanford
Area 11
Terminal 25
Area 12
Chelan
0+00
2+00
4+00
6+00
8+00
10+00
12+00
14+00
16+00
18+00
20+00
22+00
24+00
26+00
28+00
30+00
32+00
34+00
36+00
38+00
40+00
42+00
44+00
46+00
48+00
50+00
52+00
54+00
56+00
58+00
60+00

Map A-5. Maximum CSL/ML exceedance factor by point location in surface (0-4 ft) sediment (detected concentrations)

TOC normalization conducted for all samples with TOC concentrations greater than 0.2% and less than 8.0%. For samples with 0.2% TOC or lower, 8.0% or greater, or missing TOC concentrations, chemical concentrations were compared to lowest AET (equivalent to SQS) and second lowest AET (equivalent to CSL) in dry weight units.

0 375 750 1,500 Feet

0 125 250 500 Meters

N

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Maximum CSL/ML exceedance factor
- 0.0 - 1.0
- 1.1 - 3.0
- 3.1 - 5.0
- 5.1 - 10.0
- >10
- Area of concern
- Proposed northern boundary
- Stormdrains
- King County CSOs

Connecticut St.
Area 1
Pier 36
Rabanco Loading Facility
Area 4
Area 3
Area 2
GATX Terminals
Terminal 18
0+00
2+00
4+00
6+00
8+00
10+00
12+00
14+00
16+00
18+00
Area 5
20+00
22+00
24+00
Area 6
26+00
28+00
Terminal 30
30+00
Area 7
32+00
Lander
34+00
36+00
38+00
Pier 27
40+00
Area 8
42+00
44+00
Area 9
46+00
48+00
Area 10
Hanford
50+00
52+00
54+00
Area 11
56+00
58+00
60+00
Terminal 25
rbor RS
Chelan
Area 12

Map A-6. Maximum CSL/ML exceedance factor by point location in subsurface (>4 ft) sediment (detected concentrations)

TOC normalization conducted for all samples with TOC concentrations greater than 0.2% and less than 8.0%. For samples with 0.2% TOC or lower, 8.0% or greater, or missing TOC concentrations, chemical concentrations were compared to lowest AET (equivalent to SQS) and second lowest AET (equivalent to CSL) in dry weight units.

0 380 760 1,520 Feet

0 125 250 500 Meters

N

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Prepared by RAC 04/16/03 Map 808

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Map A-7. Amphipod, Neanthes, and larval bioassay exceedances of CSL in surface (0-15 cm) sediment samples

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Neanthes
Amphipod
Larval

Gray shading - test not performed

Stormdrains
King County CSOs
Proposed northern boundary
Area of concern

Area 1
Area 2
Area 3
Area 4
Area 5
Area 6
Area 7
Area 8
Area 9
Area 10
Area 11
Area 12

Connecticut St.
Pier 36
Rabanco Loading Facility
GATX Terminals
Terminal 18
Terminal 30
Lander
Pier 27
Hanford
Terminal 25
Chelan

0+00
2+00
4+00
6+00
8+00
10+00
12+00
14+00
16+00
18+00
20+00
22+00
24+00
26+00
28+00
30+00
32+00
34+00
36+00
38+00
40+00
42+00
44+00
46+00
48+00
50+00
52+00
54+00
56+00
58+00
60+00

Map A-8. Amphipod, Neanthes, and larval bioassay exceedances of CSL in surface (0-4 ft) sediment samples

0 375 750 1,500 Feet

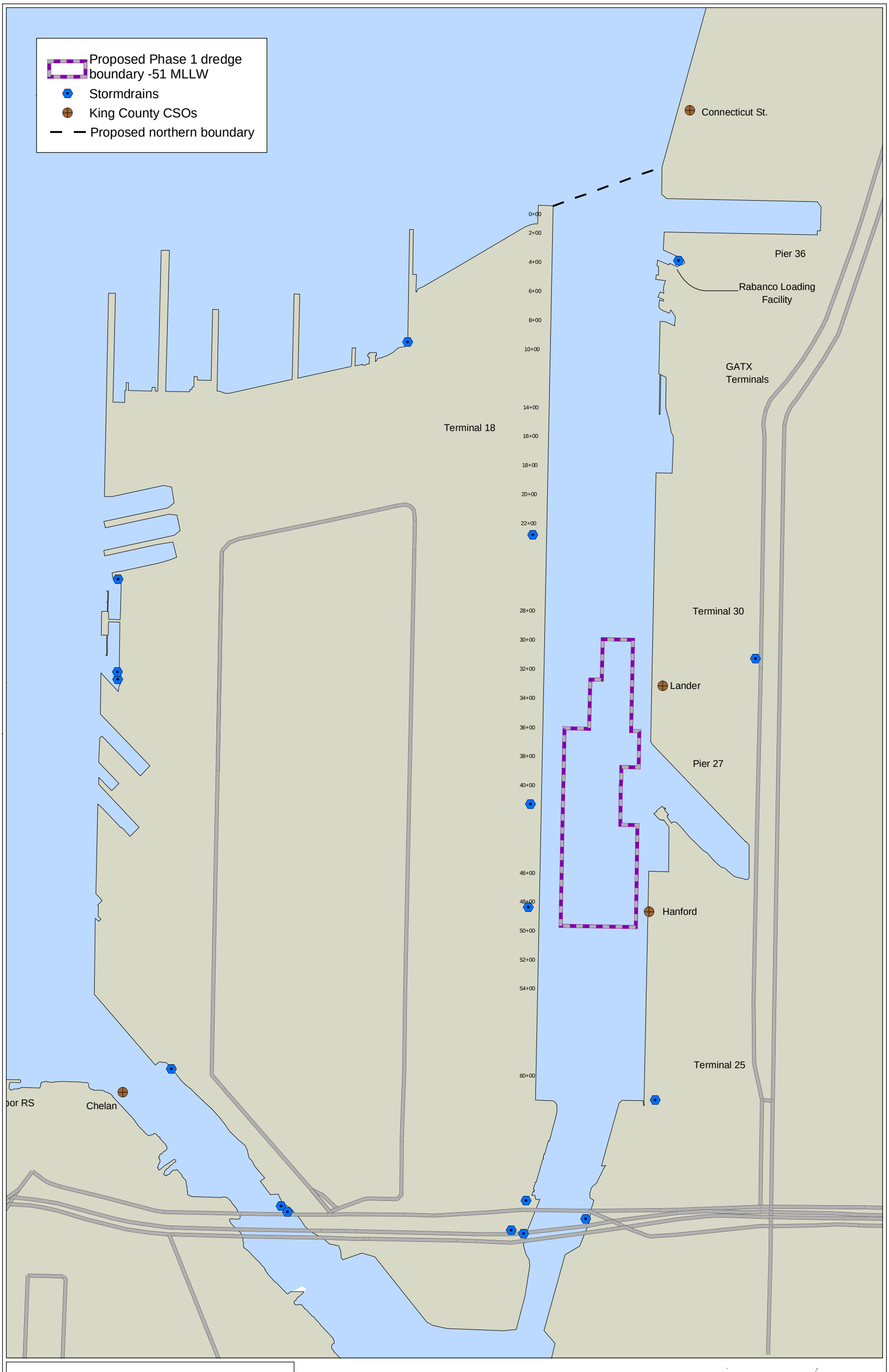
0 125 250 500 Meters

N

Wind Ward environmental LLC

Prepared by RAC 04/16/03 Map 810

W:\Projects\00-08-08 East Waterway\Data\GIS\SQS Exceedance Maps



Map A-9. East Waterway proposed Phase 1 dredge boundary

0 375 750 1,500 Feet

0 125 250 500 Meters

N

Wind Ward environmental LLC

Prepared by RAC 04/16/03 Map 811

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